

ABSTRACT OF THE DISCLOSURE

A retrievable pig apparatus having a substantially cylindrical body portion, the body portion having a central flow bore therethrough, and secured to coiled tubing, including a central fluid flow bore in fluid communication with the interior bore of the coiled tubing; a plurality of flow bores spaced equally apart within the body, with the flow bores allowing fluid flow to be injected at a certain predetermined pressure through the flow bores, so as to be emitted on the front end of the pig for defining a high pressure spray of fluid or the like material to break up blockages of debris in the pipeline, such as paraffin or the like; the debris retrieved through the central bore back into the coiled tubing to be stored in a tank or the like on the surface. There is further included a plurality of flexible cups, spaced apart along the outer wall of the pig body, each cup secured to an interior metallic ring around the body of the pig, with the flexible cups making contact with the wall of the pipeline so as to provide a continuous fluid seal between the wall of the pipeline and the ends of the plurality of flexible cups. Intermediate each cup there is provided a compressible safety ring, which will compress under excess pipeline pressure, thus allowing the fluid to flow past the plurality of flexible cups, reducing the pressure in the pipeline. Further there is provided within the plurality of six flow bores around the interior flow bore, for adjusting the force that is allowed to flow through the plurality of bores in either direction by providing a first and second thruster springs of a pre-determined compressible force for allowing the spring to be compressed and effecting fluid flow therethrough in the direction in which the flow is to travel in the bores.